

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

REVOCATION OF PRIOR POWER OF ATTORNEY AND  
POWER OF ATTORNEY WITH CHANGE OF  
CORRESPONDENCE ADDRESS

Applicant hereby revokes all prior powers of attorney and hereby appoint:

- Practitioners at Customer Number: 52286 as my/our attorney(s) or agent(s) to prosecute the applications identified in the attached Table A, and to transact all business in the United States Patent and Trademark Office connected therewith.

Address all telephone calls and correspondence to:

Paul K. Legaard, Ph.D.  
Pepper Hamilton LLP  
400 Berwyn Park  
899 Cassatt Road  
Berwyn, PA 19312  
Tel: 610.740.7859  
Fax: 610.740.7855

I am the:

- Applicant/Inventor.  
 Assignee of record of the entire interest. (A statement under 37 CFR 3.73(b) is enclosed.)

Signature of Applicant or Assignee of Record

Respectfully submitted,

AstraZeneca AB

Date: 11 March 2008  
By:   
Name: Anna-Lena Rosendahl  
Title: Director IP Services

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant, **AstraZeneca AB**, a company existing under the laws of Sweden, states that it is:

the assignee of the entire right, title, and interest of the applications identified in Table A attached hereto.

The extent (by, percentage) of its ownership interest is 100% in the patent applications/patents identified in Table A.

a copy of the pertinent assignment from the inventor(s) of the patent applications/patents identified in Table A is enclosed herewith.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Respectfully submitted,

**AstraZeneca AB**

Date: 11 March 2008

By: 

Name:

Title: Anna-Lena Rosendahl  
Director IP Services

Table A

Docket No.	Serial(Patent No.)	Inventor(s)	Examiner	Art Unit	Title
133087-13801	10/522,777 07-06-2006	Jackson et al.	Bernard I. Dentz	1625	Inhibition Of Phosphoinositide 3-Kinase Beta
133087-13811	11/964,842	Jackson et al.	To Be determined	To be determined	Inhibition Of Phosphoinositide 3-Kinase Beta

## ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

KINACIA PTY. LTD.  
Suite 4, 899 Whitehorse Road  
Box Hill  
Victoria 3128, Australia

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions in and to this invention relating to

### INHIBITION OF PHSPHOINOSTIDE 3-DINASE BETA

as set forth in this United States Patent Application

Check       executed concurrently herewith  
one       executed on \_\_\_\_\_  
               Serial No. 10/522,777 Filed 01/31/2005  
and

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States; (c) to execute and deliver,

upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Foley & Lardner LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Foley & Lardner LLP** do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

**NAME AND SIGNATURE OF INVENTOR**

NAME: SHAUN P. JACKSON      SIGNATURE:       DATE: 19/8/05

**NAME AND SIGNATURE OF WITNESSES**

NAME: S. SCHOPENWAHLER      SIGNATURE:       DATE: 19/8/05

NAME: \_\_\_\_\_      SIGNATURE: \_\_\_\_\_      DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

NAME: ALAN D. ROBERTSON      SIGNATURE: \_\_\_\_\_      DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

NAME: \_\_\_\_\_      SIGNATURE: \_\_\_\_\_      DATE: \_\_\_\_\_

NAME: \_\_\_\_\_      SIGNATURE: \_\_\_\_\_      DATE: \_\_\_\_\_

upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

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**NAME AND SIGNATURE OF INVENTOR**

NAME: SHAUN P. JACKSON      SIGNATURE: \_\_\_\_\_      DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

NAME: \_\_\_\_\_      SIGNATURE: \_\_\_\_\_      DATE: \_\_\_\_\_

NAME: \_\_\_\_\_      SIGNATURE: \_\_\_\_\_      DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

NAME: ALAN D. ROBERTSON      SIGNATURE: Alan D. Robertson      DATE: 01 August 2005

**NAME AND SIGNATURE OF WITNESSES**

NAME: Doug Francis      SIGNATURE: ██████████      DATE: 01 August 2005

NAME: PHILIP GREGORY      SIGNATURE: ██████████      DATE: 01 August 2005

**NAME AND SIGNATURE OF INVENTOR**

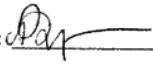
NAME: VIJAYA KENCHE SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

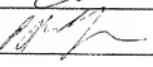
NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

NAME: PHILIP THOMPSON SIGNATURE:  DATE: 3/7/05

**NAME AND SIGNATURE OF WITNESSES**

NAME: *Elizabeth Yuriev* SIGNATURE:  DATE: 1/8/05

NAME: *H. J. Bertrand Jr.* SIGNATURE:  DATE: 1/8/05

**NAME AND SIGNATURE OF INVENTOR**

NAME: HISHANI PRABAHARAN SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

NAME: KAREN ANDERSON SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

NAME: VIJAYA KENCHÉ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

NAME: PHILIP THOMPSON SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

NAME: HISHANI PRABAHARAN SIGNATURE: Hishani Prabaharan DATE: 8/8/05

**NAME AND SIGNATURE OF WITNESSES**

NAME: Jerome Dias SIGNATURE: J.D. DATE: 8.8.05

NAME: Michael Prabaharan SIGNATURE: M.P. DATE: 8.8.05

*Two witness  
notarized*

**NAME AND SIGNATURE OF INVENTOR**

NAME: KAREN ANDERSON SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

NAME: VIJAYA KENCHE SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

NAME: PHILIP THOMPSON SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

NAME: HISHANI PRABAHARAN SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

NAME: KAREN ANDERSON SIGNATURE: K. Anderson DATE: 29/7/05

**NAME AND SIGNATURE OF WITNESSES**

NAME: PHILLIP HAWKINS SIGNATURE: P.T. Hawkins DATE: 29/7/05

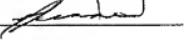
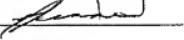
NAME: IAN COOK SIGNATURE: I. Cook DATE: 29/7/05

NAME AND SIGNATURE OF INVENTOR

NAME: BELINDA ABBOTT      SIGNATURE:       DATE: 29/7/05

NAME AND SIGNATURE OF WITNESSES

NAME:       SIGNATURE:       DATE: 29/7/05

NAME:       SIGNATURE:       DATE: 29/07/05

NAME AND SIGNATURE OF INVENTOR

NAME: ISAAC GONCALVES      SIGNATURE: \_\_\_\_\_      DATE: \_\_\_\_\_

NAME AND SIGNATURE OF WITNESSES

NAME: \_\_\_\_\_      SIGNATURE: \_\_\_\_\_      DATE: \_\_\_\_\_

NAME: \_\_\_\_\_      SIGNATURE: \_\_\_\_\_      DATE: \_\_\_\_\_

NAME AND SIGNATURE OF INVENTOR

NAME: WARWICK NESBITT      SIGNATURE: \_\_\_\_\_      DATE: \_\_\_\_\_

NAME AND SIGNATURE OF WITNESSES

NAME: \_\_\_\_\_      SIGNATURE: \_\_\_\_\_      DATE: \_\_\_\_\_

NAME: \_\_\_\_\_      SIGNATURE: \_\_\_\_\_      DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

NAME: BELINDA ABBOTT      SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

NAME: ISAAC GONCALVES      SIGNATURE:  DATE: 04.08.05

**NAME AND SIGNATURE OF WITNESSES**

NAME: Suzanne Crouche      SIGNATURE:  DATE: 04-08-05

NAME: Gaetan Boi.      SIGNATURE:  DATE: 04.08.05.

**NAME AND SIGNATURE OF INVENTOR**

NAME: WARWICK NESBITT      SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

NAME: BELINDA ABBOTT      SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

NAME: ISAAC GONCALVES      SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

NAME: WARWICK NESBITT      SIGNATURE: W. Nesbitt. DATE: 16/8/05

**NAME AND SIGNATURE OF WITNESSES**

NAME: Erik Westein      SIGNATURE: Erik DATE: 16/8/05

NAME: CENK SULTANLU      SIGNATURE: Cenk Sultanlu DATE: 16/08/05

**NAME AND SIGNATURE OF INVENTOR**

NAME: SIMONE SHOENWAELDER SIGNATURE: S. Shoenwaelder DATE: 17/8/05

**NAME AND SIGNATURE OF WITNESSES**

NAME: D. JACKSON SIGNATURE: D. Jackson DATE: 19/8/05

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

NAME: DILEK SAYLIK SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

Note: *Prima facie* evidence of execution may optionally be obtained by execution before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.

**NAME AND SIGNATURE OF INVENTOR**

NAME: SIMONE SHOENWAELDER SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

NAME: DILEK SAYLIK SIGNATURE:  DATE: 29-07-05

**NAME AND SIGNATURE OF WITNESSES**

NAME: PAUL SINKOVICH SIGNATURE:  DATE: 29/7/05

NAME: MARTIN DOYLE SIGNATURE:  DATE: 29/7/05

Note: *Prima facie* evidence of execution may optionally be obtained by execution before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.

ASSIGNMENT

In consideration of the sum of 1 Dollar and other good and valuable consideration,  
the receipt and sufficiency of which is hereby acknowledged, the undersigned

We, the undersigned

Kinacia PTY LTD a company of Australia of 576, Swan Street, Richmond, Victoria 3121,  
Australia

do hereby declare that we have assigned to

AstraZeneca AB a company of Sweden of SE 151 85 Södertälje, Sweden

all our rights to US Patent applications

10/181485 filed on 24 January 2001

10/961062 filed on 10 December 2004

10/522777 filed on 18 August 2003

for the inventions entitled

THERAPEUTIC MORPHOLINO-SUBSTITUTED COMPOUNDS,

THERAPEUTIC MORPHOLINO-SUBSTITUTED COMPOUNDS and

INHIBITION OF PHOSPHOINOSTIDE 3-KINASE BETA

*16 Jun*

In witness thereof the parties hereto have executed this assignment as of the day and year  
stated below:

Place and date:

*Melbourne 02/06/07.*

Place and date:

*Sodertalje, Sweden 21 Jun 2007*

ASSIGNOR

ASSIGNEE

KINACIA PTY LTD

ASTRAZENECA AB

by: *J. H. K.*

Name: *John Kinacia*

Capacity: *Director*

by: *L. R.*

Name: Anna-Lena Rosendahl

Capacity: Director IP Services